

PROJECT DESCRIPTION

I. GENERAL

THIS PROJECT INVOLVES THE MODIFICATION FOR THE EXISTING TRAFFIC INTERSECTION OF MD 124 AND FLOWER HILL WAY IN MONTGOMERY COUNTY TO APSCPS INCLUDING ADA RAMPS. MD 124 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

II. INTERSECTION OPERATION

THE INTERSECTION OPERATES IN A NEMA SIX-PHASE, FULL-TRAFFIC-ACTUATED MODE. THERE ARE EXCLUSIVE PERMISSIVE LEFT TURN PHASES FOR BOTH THE NORTH AND SOUTH APPROACHES OF MD 124. A RIGHT TURN OVERLAP IS PROVIDED FOR WB FLOWER HILL WAY. MD 124 THROUGH MOVEMENTS WILL OPERATE CONCURRENTLY. FLOWER HILL WAY THROUGH MOVEMENTS WILL RUN CONCURRENTLY. THERE IS A PEDESTRIAN PHASE FOR THE EAST LEG OF THE INTERSECTION AND THERE IS AN ALTERNATE PEDESTRIAN PHASE FOR THE NORTH AND SOUTH LEG OF THE INTERSECTION.

EQUIPMENT LIST FOR CONTRACT NO. XX4395185

A. EQUIPMENT TO BE FURNISHED BY STATE HIGHWAY ADMISTRATION

ITEM	QUANTITY	UNIT	DESCRIPTION
9571	6	SF	[UPDATED] SHEET ALUMINUM MAST ARM/POLE MOUNTED SIGN
	6	EA	R10-3(1) (9'x 15") POLE MOUNTED

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR

ITEM	QUANTITY	UNIT	DESCRIPTION
1001	1	EA	MAINTENANCE OF TRAFFIC
2002	1	CY	TEST PIT EXCAVATION
5003	600	LF	REMOVAL OF EXISTING PERMANENT PAVEMENT LINE MARKINGS
5004	325	LF	12 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MAKING LINES
5005	120	LF	24 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MAKING LINES
6001	265	LF	STANDARD TYPE A COMBINATION CURB AND GUTTER 12 INCH GUTTER PAN 8 INCH DEPTH
6002	1250	SF	5 INCH CONCRETE SIDEWALK
6003	60	SF	DETECTABLE WARNING SURFACE FOR CURB RAMPS
8001	43	EA	12 INCH LED SIGNAL HEAD SECTION
8002	1	EA	2-WIRE CENTRAL CONTROL UNIT
8008	6	EA	AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON STATION & SIGNS
8009	6	EA	BREAKAWAY PEDESTAL POLE (ANY SIZE)
8011	1	EA	CONDUIT BEND IN EXISTING FOUNDATION BASE (ANY SIZE)
8016	6	EA	LED 16 INCH COUNTDOWN PEDESTRIAN SIGNAL HEAD
8024	1	EA	REMOVE & DISPOSE OF EQUIPMENT (PER ASSIGNMENT)
8036	300	LF	UP TO 4 INCH SCHEDULE 80 RIGID PVC CONDUIT-BORED
8038	120	LF	UP TO 4 INCH SCHEDULE 80 RIGID PVC CONDUIT-TRENCHED
8040	6	SF	INSTALL OVERHEAD OR GROUND MOUNTED SIGN (INCLUDING ALL HARDWARE)
8042	415	LF	NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
8046	3	EA	FURNISH AND INSTALL ELECTRICAL HANDHOLE
8053	740	LF	ELECTRICAL CABLE - 2 CONDUCTOR (NO. 14 AWG)
8055	775	LF	ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)

CONTACTS

Ms. Felecia Murphy (Mont.)  
Assistant District Engineer - Traffic  
Phone: (301) 513-2488

VACANT  
Assistant District Engineer - Maintenance  
Phone: (301) 513-7309

Mr. Victor Grafton  
Utility Engineer  
Phone: (301) 513-7351

VACANT  
Chief, Traffic Operations Division  
Phone: (410) 787-7630

Mr. Ed Rodenhizer  
Supervisor, Signal Operations  
Phone: (410) 787-7650

Mr. Sonny Bailey  
Supervisor, Sign Shop  
Phone: (410) 787-7676

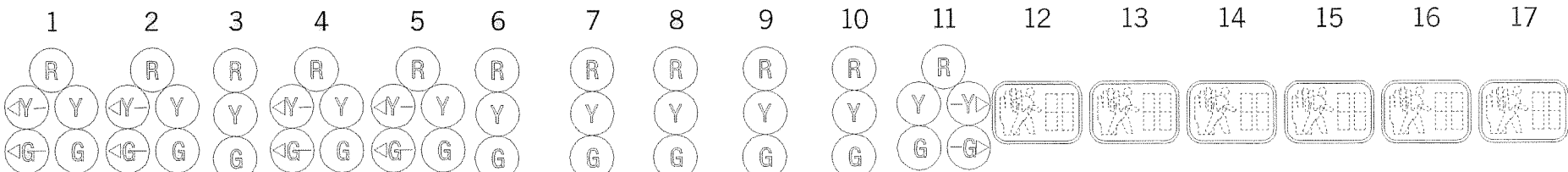
Mr. Mike Stocker  
Supervisor, Signal Warehouse  
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Mr. Kamal Hamud  
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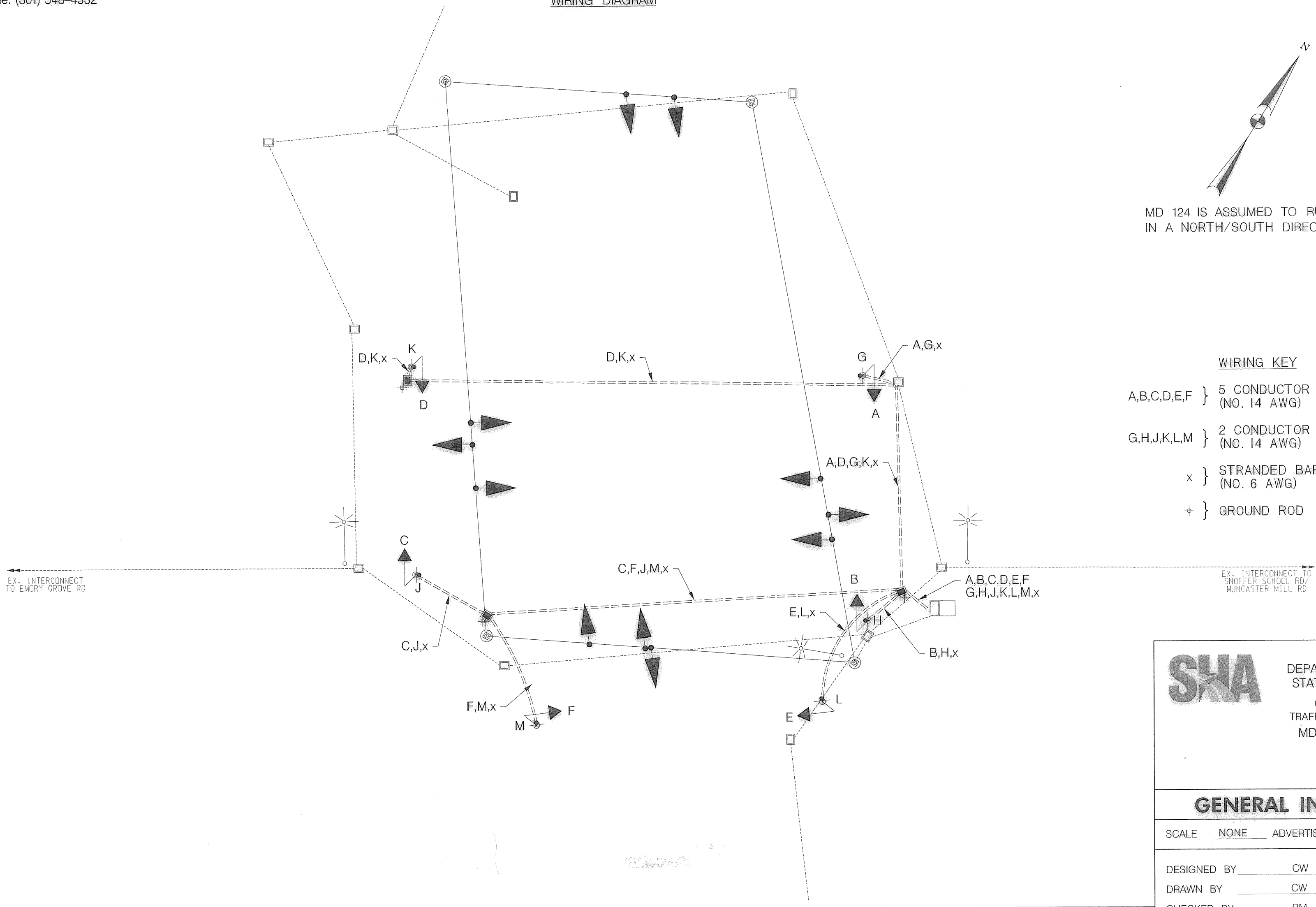
Power Company Representative - PEPCO (MONT)  
Mr. Paul Wilson, Service Associate  
201 West Gude Drive  
Rockville, MD 20850-0850  
Phone: (301) 548-4332

PHASE CHART



PHASE 1 AND 5	←G/R	←G/R	R	←G/R	←G/R	R	R	R	R	R	R	R/G→	DW	DW	DW	DW	DW	DW	
1 AND 5 CHANGE TO 1 AND 6, 2 AND 5, OR 2 AND 6																			
PHASE 1 AND 6	R	R	R	←G/G	←G/G	G	R	R	R	R	R	R/G→	DW	DW	DW	DW	DW	DW	
1 AND 6 CHANGE	R	R	R	←Y/Y	←Y/Y	Y	R	R	R	R	R	R/Y→	DW	DW	DW	DW	DW	DW	
PHASE 2 AND 5	←G/G	←G/G	G	R	R	R	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW	
5 CHANGE	←Y/G	←Y/G	G	R	R	R	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW	
PHASE 2 AND 6	G	G	G	G	G	G	R	R	R	R	R	R	DW	DW	DW	DW	WK	WK	
PED CLEARANCE	G	G	G	G	G	G	R	R	R	R	R	R	DW	DW	DW	DW	FL/DW	FL/DW	
2 AND 6 CHANGE	Y	Y	Y	Y	Y	Y	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW	
PHASE 4 AND 8	R	R	R	R	R	R	G	G	G	G	G	G/G→	DW	DW	DW	DW	DW	DW	
4 AND 8 CHANGE	R	R	R	R	R	R	Y	Y	Y	Y	Y	G/Y→	DW	DW	DW	DW	DW	DW	
PHASE 4 AND 8 ALT	R	R	R	R	R	R	G	G	G	G	G	G	WK	WK	WK	WK	DW	DW	
PED CLEARANCE	R	R	R	R	R	R	G	G	G	G	G	G	FL/DW	FL/DW	FL/DW	FL/DW	DW	DW	
4 AND 8 ALT CHANGE	R	R	R	R	R	R	Y	Y	Y	Y	Y	Y	DW	DW	DW	DW	DW	DW	
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	DARK	DARK	DARK	DARK	DARK	DARK	

WIRING DIAGRAM



MD 124 IS ASSUMED TO RUN  
IN A NORTH/SOUTH DIRECTION

WIRING KEY

- A,B,C,D,E,F } 5 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
- G,H,J,K,L,M } 2 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
- x } STRANDED BARE COPPER GROUND WIRE (NO. 6 AWG)
- + } GROUND ROD

TOD NO: XY224-19  
SHA NO: MO145857  
MD 124 @ Flower Hill Way



STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION  
OFFICE OF TRAFFIC & SAFETY  
TRAFFIC ENGINEERING DESIGN DIVISION  
MD 124 (WOODFIELD ROAD) AT  
FLOWER HILL WAY  
REDLAND, MD

GENERAL INFORMATION PLAN SHEET

SCALE NONE ADVERTISED DATE 05/2012 CONTRACT NO. XY2245185

DESIGNED BY CW COUNTY MONTGOMEY  
DRAWN BY CW LOGMILE 15012406.62  
CHECKED BY RM TMS NO. L343  
F.A.P. NO. TOD NO.

TS NO. 2360B DRAWING GN-1 OF 1 SHEET NO. 3 OF 3



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PLOTTED: Friday, August 17, 2012 AT 02:31 PM  
FILE: P:\09-002 TEDD\Task 86 MD 124 & Flower Hill\Drawings\CADD\Working\pGG-P003\_MD124@FlowerHill.dgn